1185 Avenue of the Americas

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Nika Adham, et al.

Serial No.: 09/116,676 Examiner: G. Draper

Filed: July 16, 1998 Group Art Unit: 1647

For: DNA ENCODING A HUMAN OB RECEPTOR (OB-RE) AND

USES THEREOF

New York, New York 10036

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

## DECLARATION OF NIKA ADHAM, BETH BOROWSKY, NIGEL LEVENS, AND RADEK C. SKODA UNDER 37 C.F.R. \$1.131

We, Nika Adham, Beth Borowsky, Nigel Levens, and Radek C. Skoda, hereby declare as follows:

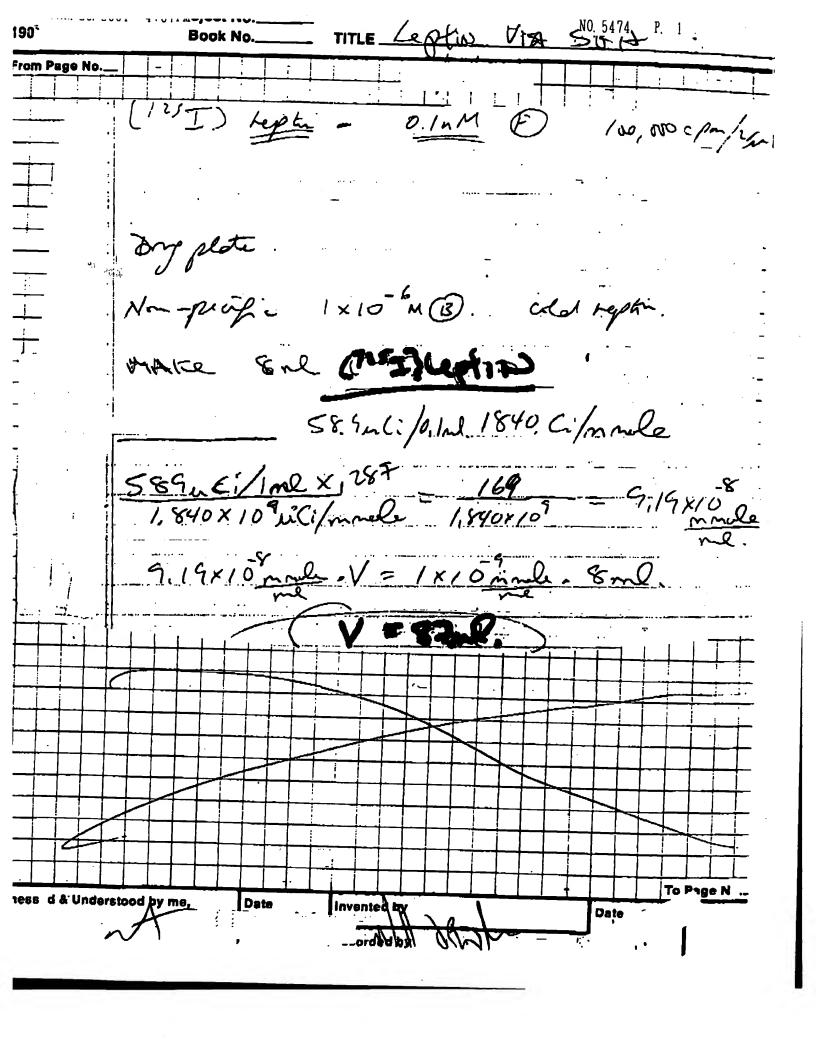
- 1. We conceived of the invention claimed in the above-identified patent application, i.e., a process for determining whether a chemical compound specifically binds to a soluble polypeptide with specific properties as recited in claim 224 as amended in the Amendment filed concurrently with the filing of the Declaration (the "Binding Assay").
- 2. Prior to December 31, 1996, a Binding Assay was performed by Noel Boyle under the direction and supervision of coinventor Nika Adham in the United States at the laboratories of Synaptic Pharmaceutical Corporation, an assignee of record of the subject application. Copies of pages 189 and 190 of Noel Boyle's notebook number 11914 and pages 2-7 of Noel Boyle's notebook number 11914 and pages 2-7 of Noel Boyle's notebook number 11915 detailing the performance of such a Binding Assay for determining whether leptin specifically binds to human Ob-Re, a soluble polypeptide as recited in claim 224 are attached hereto as Exhibit A. Although the dates have been redacted from these

Nika Adham, et al. Serial No.: 09/116,676 Filed: July 16, 1998 Page 2

notebook pages, all dates ar prior to December 31, 1996. Thus, at least one embodiment of the invention claimed was reduced to practice in the United States prior to December 31, 1996.

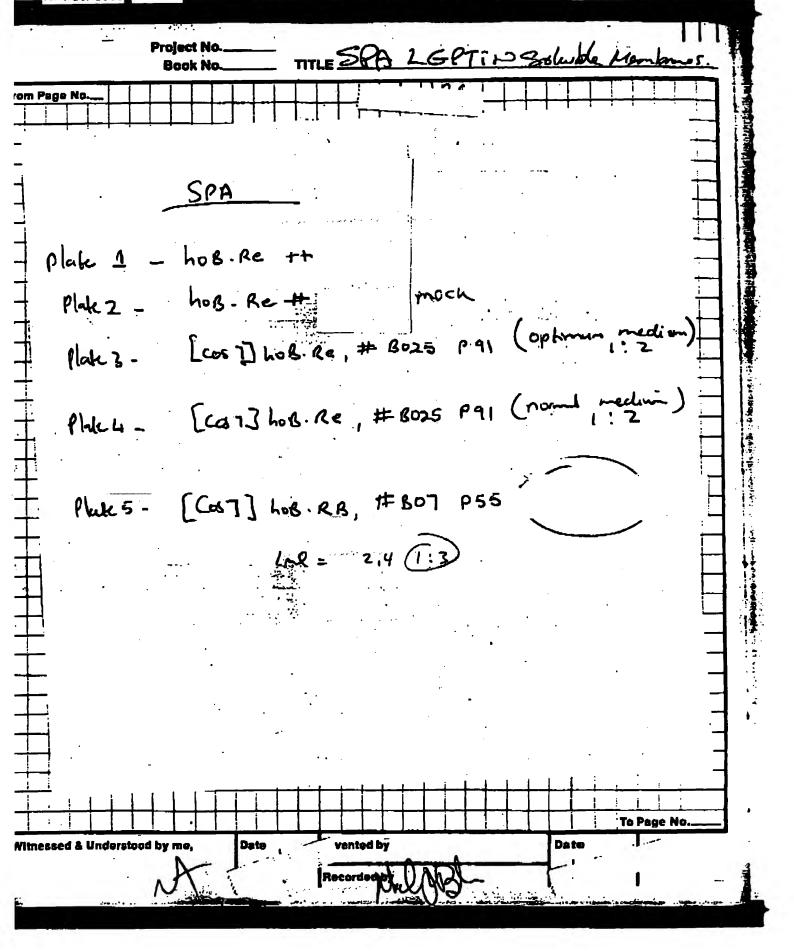
3. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that any such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1/24/01 Date		Nika Adham
Date		Beth Borowsky
Date		Nigel Levens
Date	·	Radek C. Skoda



JAN. 29. 2001 4:08PM

NO. 5474—P. 2



7	رة معلم					. ,4			٠.	<b>—</b> .					
111 /	تلامة	<u> </u>	alubbe	men	بمستحط	Project N									Б
TILE	-0			_ ;. 	LUMEX 1	Räak N _ Capbed	<u> </u>			•			•	<u></u>	
IAM POS 1		IC#	12	XERROR	LUMEX I	TIME	Т	<u> </u>		77 7	<del>- 19</del>		<del></del>	Ť	
NO	MIN		CPM	AEMMON.	•		+	1-1-	-+	+	. 1	_	1	! 1	7
	1.00 6	. 461	2297.06	4.18	0.00	222.19. 223.54	ŢĮ.	200	200	341	. 4	34	48	3 5	4
127 44-1	1.00 4	, 173	1735.09	4.81 5.56	0.01	224.89					1 4	• •			
-5 88-3	1.00 8		1296.32 990.79	J.J6 J.⊽6	Co. Co.	225.27	2	800	505	300 K		<u> </u>	318 517	38	321
المراجع والمراجع	1.00 s 1.00 é	5.872 5.511	859.54	8.83	c.eL	227.62	:::	Parae	* 5° 6 * 1	,,,,					· · · }
		4,541	825,51	6.97	0.01	228.97 230.34	0	000	001	O +i ₁		<b>ન</b>	-i -	-ii	_
23 VX-0	1.00 6		2527.64	4,01	0.00	231.69			= -	• •		<u>9</u>		, .	<u></u>
(-0 **-B	1.00	6.347	2490.60	3.91	0,00	233.04	0	000	90	000	ျင	00	00	00	0
17: **-9	1.00 (	6.4// 6.502	2564.79	3,95	0.01	234.42			_		_:_				_ 1
172 **-10	1.00	6,368	2810.28	3.78	0.00	235.77 237.12	86	353	38	3 63 63	\$ 5	32	88 88 88	12	겆
74. 44-12	1.00	6.265	2798.28	3.78 3.88	0.00	233.49		NNO		N e .	4, ₹	4 4	<del>-</del> +	₹.5	4
11-5 44-13	2.00	6.484	2657.05 2885.51	3.73	0.00	239.84				<b>-</b> /-	<u> </u>				<u>~~'</u> !
44-15	1,00	4.390 4.518	2926.62	3.70	0.01	241.19 F 242.57	ရှိ	ស្ត្រាត្ត		4 17	4 m		<b>4</b> 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	86	4
7" 44-15	1.00	6.521	2830.47		0.01	242.37 243. <b>9</b> 2				5.2		2.5	7.°	9.6	
179 **-17	1.00	6.437	2753.35 2573.03	3.82	0.01	245.27	207	797 764 764	9665	-9876 2076	<b>%</b> 6	2252. 2146.	377	3 5	<b>1</b>
180 **-18	1,00	6.506 6.389	728.43		0.01	246.74	102	600	7	\$ % i	N, N	20 20	N N	2 2	ı Ni
181 **-1	1.00	7.048	714.41	7.49	0.02	248.09 249.44	-			<u>.</u>	;				4
182 **-2 163 **-3	1.00	6.528	740:47	7.36	0.02 0.01	250.82	44	4.7 4.7	261	32	286 278	171 365	52	190 095	0.28
· F 4 *#-4	1.00	6.786	789.58		0.02	252.17	i	45.	iù.	• •			3 \$	• ,	, S
医三甲烯 化苯二酚	1.00	7,000 6,569	765.54 774.56		0.01	253.52		771		ファ		7	1		. ^ 7
3: **-6 :::: **=7	1.00	6.837	705.43	3 7.54	4 6.53	254.89 256.24	S	888	38	88	88	88	88	ရွ န	8 -
7-3G **-9	1,00	6.982	780.5			257.59	, =1				નુંન	4 -:	4 4		} <del>-</del> -
187 **-9	1.00	6.584	705.45 7 <b>56.5</b>			258.95			•		i				
190 **-10	1.00	6.770	777.6	· 14' 46	0.03	260.32			n 0>	9 = :	ರ,ದಿ	4 (0	<b>4</b> 2		<del> </del>
191 **-11	1.00	6.929	759.5		0,02	261,65 263.04	Į.	9.7.5		77	111	111	1-1		
193 **-13	1.00	7.145	10135.2	4,7 1.99 6.0 3.97	0.00	264.39	*	* * .	*	* *	* *	* *	# *	* #	+ 3d-
174 #*-14		7.162 7.004	2546.3 9852.8		5 0.00	265.74	전	12.23 12.23 13.23	52	226	2 23	320	23	\$ 1	387
105 **-15	1.00	6,560	9620.4	7 2.04	0.00	₹ 267.11	Ŋ	કેવું <b>દે</b> વું કે	4 (4)	NN	u'u	NA	NA	. 64 V	1 (4 –
1373 **-10	1,00	7.184	9693.7				1		$\perp$	$\vdash$		+-	<del>├</del> ── <del>ो</del>		<del>-   -</del>
193 ##-18	1.00	7.138	9917.3			271.29							$\vdash$		4
1179 **-1	1.00	7.065 7.036	9112.6 6454.0	• •	9 0.00	272.64	Т							للما	<u> </u>
200 **-2	۱.۵۰ اتبا	0 7.113	4094	74 3.1	2 0.01		- 1	$\top$		V		$\top$			
201 **-3	1.0	0 6.945	3018.	62 J.6	4 0.09 2 0.09		+	-+-	+	1	4	17	1		$\neg$
F3 44-5	1.0	c 7.512	2743.	05 3.8 70 3.9			+		+	╀	+	$\star$	1-1	$\Box$	$\dashv$
7 75 87-6	1.0	0 5,700	2571. 9689.		· 0.00	279.44			┼	╁┼	<b>─</b> }	(┼-	╀╌┦	┝	-
35 xx-7	1.0	0 6.937 0 7.075	2111.	72 2 4.3	ن. ٥.٥					┵	1	4		<del>├</del>	
200 **-B 207 **-9	1.0	o 7.205	9980.	43 2.0 52 1.9				\ \	Ì			$\Delta$		<b> </b>	
207 84-9 208 **-1 209 **-1	0 1.0	)C 7.198	10414		_	0 284.86	, Т				ł		\ _	$oxed{oxed}$	
209 **-1		)0 6.945 00 6.996		42 2.0	0,0	0 286.23	, 7	$\top$	1			7	$\mathcal{T}$	П	
210 **-1		30 7.020		.63 2.9	0.0			-+	1/	4-1	-	_	+	$\dagger \lnot \dagger$	
012 **-1	4 1.0	00 7.087	6677		45 <b>)</b> 0.0	io 290.29	7	<del> -</del>	<del>/</del>	╁╌┤	<del></del> -	-+-	+-	† +	_
TR 267 **-1	5 1.9	00 7.195	5 3916 5 2781		ცე <sup>ს</sup> 0.0	291.4	5 ]	_+/	4_	+ +			+-	+	<del>                                     </del>
		06 7.005 00 7.1 <b>7</b> 9	2736	.39 3.	83 0.9			V		$\bot$					
215 **-1	e 1.	DO 7.58	c 2782	<u>,52</u> 3.								To	o Pag	ge »	_
217 **-1	4.4	OO 7.13	3 10229		01 0.0	297.1	7	سفيي		De	te	,			
21B **-2		00 7.20	9 9885 4 10359		97 0.1	00 298.5	4	. !		"ر	7			_	
21.9 **-0		00-7-34 00 <b>⊼</b> -54			97 0.	00 299.9		7		:	٠,٠	1	1		
		1A				pul.	46	~~	•	•	•		•		
		-				L ~	•	-							

JAN. 29. 2001 4:1	O. m		-				
-				0.000	le-pu	hues	
<b>5</b> 4	oject No	یکھما _	ۍ یک	Server		FIGUR 3	ŤIT:
<b>.</b>		125]	t LU	MEX EL	HLOEN .	1 11.7	
SAM POS TI		CPM KER		*	TIME	•	<b>1</b>
0	in · · · ·			0.01	42.75	•	<b>163</b>
108 8*-15 1	.00 6.749			0.02	.44.36	•	\$64
- 306 xx-16 1	.00 6.994 .00 7.078	1015.17	27.		45.7¢		25
^\	-00 6.841 ×		3.52 (	0.00	L4E - 54	Opline obole	27
109 ##-1 1	00 6.536	3233.82 7 862.03 M	5.82	0.02	149.89	<b>-</b> [/*	<b>B</b> B
<u> </u>	00 6.808	4667.62	2.93 ·		151.24 152.61		70
1 1 1 1 1	.00 6.839			0.00	153.96		1
1 5	.00 6.664	3384.18	3,44	0.00	155,31	e	22
1 1 1 1	00 6.896	3795.73			156.69 158.04		7.3
110 11	1.00 7.171			0.01	159.39		25
117 ****9	1.00 7.104	1/0/1-	6.10	0.01	160.76		35
-110 ++-11	1.00 7.187	864.11	6.81	0.01	162.10 163-46		1 27 88
-117	1.00 6.686 _	984.28	6.3B	0.00	164.84		99
121 **-13	1.00 6.759 1.00 6.855	4320.72	3.04	0.00	166.19		100
107 44-15	1.00 6.875	3913.22	3.20	0.00	167.54 168.71		B1 B2
124 **~16	1.00 6.852	4448.03	3.00 3.00	0.00	170.26	7-4386	183
125 **-17	1.00 6.848	4898.69	2.86	0.00	171.61 175.09	12 11	184 185
122 **=:	1.00 6.536	5364.39	2.73 2.75	0.00	174.44		186
128 **-2	1.00 7.120 1.00 6.866	5314.3B(\ 4718.60	2.91	0.00	175.79		187
129 **-3	1.00 6.750	4763.72	2,90	0.00	177.16 178.51		186
130 **-4	1.00 6.787	447 <b>5.36</b> 5404.74	2.99 2.72	0.00	179.86		190
132 **-6	1.00 6.598	963.397	6.45	0.01	131.24	•	191
133 **-7	1.00 7,475	BA7.23	6.86	0.02 0.02	182.59 .83 <b>.94</b>	orl	192
135 **-*	1.00 7.183	865.27 909.19	ፊ.80 <b>.</b> }7.04	0.02	185.30	Ly. 881	154
136 **-10	1.00 7.585	835.24	6.93	0.02	188.65	<b>V</b>	195
137 **-11	1.00 7.245	905.36	6.65 6.95	0.02	189.39	<b>,</b> .	1190
139 **-13	1.00 7.717	923.25	6.98	.0.01	190:74	:	198
140 **-14	1.00 7.186	878.34	6.75	0.01	192,09 193.45		200
142 **-16	1.00 7.266	807.24 993.54	7.04 6.35	0.01	194.B0		201
143 **-17	1.00 7.436		6.27	_ 0.51	196,15		202
144 **-18	1.00 6.312	2363.72	4.12	0.00 0.01	197,64	plepule me	26°
146 **-2	1,00 6.683	803.27		ა. 01	200.34	Oble	205
147 8*	~~~~00. 6.341	2644.25	3.09	0.00 0.00	201.70 203.06	. •	1 200
149 **-5	1.00 6.488	2503.18	3.94 3.83	0.00	204.41	1.05	207 208
150 **-6	1.00 6.486		4.31	0,01	205.79	4-	20¢
151 **-7 152 **-8	1.00 6.725	1890.12	4.60	0/01	207 • 4 4 206 • 49		210
153 **-9	1.00 6.534	1441.39	5.27 6.50	10001	709.35		213
154 **-10	1.00 6.41	804.35	7.06	0.02	2.1.20 212.55		211
155 44-11	1,00 5,55	7 774.31	7	0.01 0.01	$-\frac{212.94}{213.94}$		21.
157 **-13	1.00 5.60	7 2376.05	7.05	b.01	215.25		21 <i>t</i>
158 **-14	1.00 6.41	8 2617.52	3.91	0.00	216.64 218.00		217
160 ***10	1.00 6.54	0 2429.22	4,06 3,99				216 216
Winger 161 **-17	1 00 6.34				220.71		22k
162 **-18	ما الما الما الما الما الما الما الما ا		· tod	1/10	LK.	L	· ·
	/ <b>V</b> \	1	1.1.	Nid	agn.		AND
		1					

LE SAM POS TIME ICS STORY SERVICE STATES AND SERVICE TO									-	0 100 - 500		
LE   SAM   POB   TIME   ICH   LOS   S.   LONE   LOS   CFM   LERROR   X   TIME		,	0.	- <u>-</u>	60	manl	nes			1. 4. 20		<b>~</b> .
		Le	p-li-	- Sov								•
No	LE.		ene ene	TIME	TC#	12	5 T	LUMEX	ECHPBED	e martar	· ·	
## 47 ##-11 1.00 5.751 770.40 7.12 0.02 63.90  ## 48 ***12 1.00 5.513 676.36 7.55 0.6 65.23  ## 43 ***13 1.00 5.599 #\$65.24 7.59 0.61 65.23  ## 11 ***10 1.00 5.799 #\$65.24 7.59 0.01 62.64  ## 12 ***10 1.00 5.799 #\$65.24 7.59 0.01 62.69  ## 11 ***10 1.00 5.793 \$65.24 8.67 0.02 62.70,70  ## 12 ***10 1.00 5.793 \$735 521.29 8.75 0.02 270,70  ## 12 ***11 1.00 5.783 521.33 8.30 0.00 7.20 53  ## 11 1.00 5.783 847.32 8.39 0.00 7.72 0.05  ## 11 1.00 5.892 847.32 8.39 0.00 7.75 0.00  ## 11 1.00 6.896 \$87.32 8.39 0.00 7.75 0.00  ## 11 1.00 6.896 \$87.32 8.39 0.00 7.75 0.00  ## 12 ***10 1.00 6.907 \$21.33 8.66 0.03 76.24  ## 10 0.0 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 1.00 6.907 \$21.33 8.76 0.02 80.30  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.79  ## 12 ***10 0.00 1.994 \$43.31 9.01 0.03 76.99  ## 10 0.00 1.994 \$43.31 9.01 0.03 85.72  ## 10 0.00 1.994 \$43.31 9.01 0.03 85.72  ## 10 0.00 1.995 \$45.20 1.77 0.05 88.65  ## 11 0.00 5.927 788.53 7.12 0.01 88.45  ## 12 1.00 5.973 797.57 7.98 0.02 88.98  ## 11 1.00 5.825 901.63 6.64 0.01 88.45  ## 12 1.00 5.793 907.59 7.09 0.02 97.19  ## 13 10 0.00 1.338 801.60 7.07 0.01 97.35  ## 14 1.00 6.348 801.60 7.07 0.01 97.36  ## 14 1.00 6.355 786.58 7.73 0.01 97.35  ## 14 1.00 6.355 786.68 7.33 0.01 97.35  ## 15 1.00 6.355 786.68 7.33 0.01 97.35  ## 10 0.00 1.994 90.795 90.00 1.00.77  ## 14 1.00 6.356 786.68 7.39 0.00 1.00.77  ## 14 1.00 6.365 786.68 7.39 0.00 1.00.77  ## 14 1.00 6.365 786.68 7.39 0.00 1.00.77  ## 14 1.00 6.657 987.66 7.15 0.01 1.00.77  ## 14 1.00 6.657 987.66 7.15 0.01 1.00.77  ## 14 1.00 6.657 987.66 7.15 0.01 1.00.77  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00 6.428 888.79 90.00 1.00.110.27  ## 15 1.00	_		<b>FU3</b>		16# _	CPM			"TIME	T		
April   1.00   5.51   696.361   7.55   0.61   65.25   New	m P.								43 GV		1	
## 1-1.5					5.751							1
11 33-15										Med	<u>.</u> —	<del>-</del>
1		•	•			848.46	4 5.87	0.01			<u>:</u>	
S5		E L	**-15	1,00	5.732	523.29	8.75			1 .1.	* *	
30   12   1   100   5   192   32   32   32   35   59   0.02   73   74   75   75   75   75   75   75   75	<u> </u>									popul	. 1	
Signature   Sign	i										• †	$\dashv$
56 ##-2 1.00 6.307 428.26 9.67 0.03 76.24  57 ##-3 1.00 5.996 953.335 8.66 0.03 77.59  58 ##-4 1.00 5.996 493.31 9.01 0.03 78.95  59 ##-6 1.00 9.425 345.22 10.77 0.05 81.65  61 ##-7 1.00 6.075 75.1											· · +	-
57 **-3	┼┤.										- ↓	
39 34-5 1.00 6.075 321.33 2.76 0.02 80.30 80.40 41.60 41.00 5.84 52 10.77 0.05 81.65 81.65 81.45 61.47 1.00 5.84 52 10.77 0.05 81.65 81.45 61.47 1.00 5.88 73.51 7.28 0.03 85.72 4.65 81.40 1.00 5.88 73.51 7.28 0.03 85.72 4.65 81.10 0.05 81.00 6.001 737.31 67 7.27 0.02 81.45 81.65 81.41 1.00 5.825 901.63 6.66 0.01 81.45 81.4	<del>}</del> ¦					533.33				•	1	
60 **-6 1.00 5.425											T	
61 #3-7 1.00 5.345 684.486 7.65 0.002 84.39 62 **-8 1.00 6.001 757.51 7.27 0.002 84.39 64 **-10 1.00 5.927 788.55 7.12 0.01 87.10 65 **-11 1.00 5.927 788.55 7.12 0.01 87.10 66 **-12 1.00 5.973 797.57 7.80 0.02 89.81 66 **-12 1.00 5.973 797.57 7.80 0.02 91.19 67 **-13 1.00 6.246 807.58 7.04 0.02 91.19 68 **-14 1.00 6.348 765.36 7.23 0.01 92.54 69 **-15 1.00 6.138 801.60 7.07 0.01 93.89 70 **-15 1.00 6.4385 766.58 7.23 0.02 95.25 71 **-17 1.00 6.4385 766.58 7.23 0.02 95.25 72 **-18 1.00 5.925 830.65 6.94 0.01 97.95 72 **-16 1.00 5.974 738.89 7.36 0.01 100.77 73 **-1 1.00 5.974 738.89 7.36 0.01 100.77 75 **-2 1.00 5.974 738.99 7.36 0.01 100.77 76 **-4 1.00 5.974 703.57 7.84 0.02 103.80 77 **-5 1.00 6.271 903.42 88.92 0.02 104.85 79 **-7 1.00 6.255 464.40 9.26 0.02 107.57 80 327-8 1.00 6.674 496.39 9.37 0.63 106.20 79 **-7 1.00 6.054 496.45 99.26 0.01 111.25 80 **-11 1.00 6.462 800.75 6.82 0.01 111.27 80 **-10 1.00 5.994 739.67 7.04 0.02 103.90 80 **-10 1.00 5.994 739.67 7.04 0.02 103.90 81 **-9 1.00 6.657 494.43 9.00 0.02 108.92 81 **-10 1.00 6.402 800.75 6.82 0.01 111.25 80 **-10 1.00 5.994 739.67 7.04 0.02 113.00 81 **-11 1.00 6.422 771.71 7.20 0.02 113.90 82 **-11 1.00 6.473 540.32 10.08 0.02 114.35 83 **-11 1.00 6.473 540.32 10.08 0.02 114.35 83 **-11 1.00 6.473 540.32 10.08 0.02 114.35 83 **-11 1.00 6.428 800.75 6.82 0.01 117.07 90 **-15 1.00 6.707 394.38 10.08 0.02 114.35 91 **-1 1.00 6.428 808.73 7.04 0.02 113.90 92 **-2 1.00 6.495 808.77 7.04 0.02 113.90 93 **-3 1.00 6.707 394.38 10.08 0.02 121.15 93 **-3 1.00 6.214 540.32 771.74 0.01 128.67 94 **-4 1.00 6.137 79.69 77.44 0.01 128.05 93 **-5 1.00 6.214 79.97 7.36 0.01 13.377 94 **-17 1.00 6.703 394.38 10.08 0.02 121.15 93 **-5 1.00 6.245 803.91 7.37 0.00 132.12 93 **-5 1.00 6.245 803.91 7.37 0.00 132.12 94 **-2 1.00 6.685 781.89 71.89 0.02 135.32 94 **-10 1.00 6.524 808.77 0.00 132.12 95 **-10 1.00 6.525 77.00 0.00 132.12 97 **-10 0.00 132.12 99 **-10 1.00 6.525 77.00 0.00 132.12 99 **-10 1.00 6.525 77.00 0.00 132.12 99 **-10 1.00 6.525 77.00 0.00 132.12 9		_									t	
62 **-8									83.04	Meik	+	
63 **-9 1.00 5.880 755.51 7.28 0.03 85.72 64 **-10 1.00 5.927 788.55 7.12 0.01 87.10 65 **-11 1.00 5.825 901.63 6.66 0.01 89.81 66 **-12 1.00 5.973 797.57 7.08 0.02 89.81 67 **-13 1.00 6.244 807.58 7.03 0.01 92.54 68 **-14 1.00 6.358 765.58 7.03 0.01 92.54 69 **-15 1.00 6.138 801.60 7.07 0.01 93.89 70 **-16 1.00 6.355 766.58 7.23 0.02 95.25 7. **-17 1.00 6.255 787.60 7.13 0.01 96.60 72 **-18 1.00 6.925 830.65 6.94 0.01 97.95 73 **-1 1.00 6.055 830.65 6.94 0.01 97.95 75 **-2 1.00 5.934 738.89 7.36 0.01 100.77 75 **-3 1.00 5.934 738.89 7.36 0.01 100.77 76 **-4 1.00 5.91 503.42 8.92 0.02 104.85 78 **-6 1.00 6.667 406.39 9.37 0.03 106.20 78 **-6 1.00 6.667 406.39 9.37 0.03 106.27 80 **-8 1.00 6.653 404.39 9.37 0.03 108.92 81 **-9 1.00 6.054 800.75 6.82 0.01 110.27 82 **-10 1.00 5.902 726.65 7.42 0.01 113.00 83 **-11 1.00 6.046 808.73 7.04 0.02 113.00 84 **-12 1.00 6.495 644.61 7.88 0.02 118.42 85 **-14 1.00 6.174 337.69 7.36 0.02 122.50 93 **-3 1.00 6.222 771.71 7.20 0.02 115.72 93 **-1 1.00 6.107 344.38 10.08 0.02 121.15 90 **-1 1.00 6.107 344.38 10.08 0.02 122.50 91 **-1 1.00 6.107 344.38 10.08 0.02 122.50 92 **-2 1.00 6.458 426.42 8.01 0.01 122.97 93 **-2 1.00 6.198 763.78 7.24 0.01 128.07 94 **-4 1.00 6.198 763.78 7.24 0.01 128.07 94 **-4 1.00 6.198 763.78 7.24 0.01 128.07 99 **-5 1.00 6.245 83.91 6.73 0.01 122.97 93 **-8 1.00 6.245 83.91 6.73 0.01 122.97 94 **-4 1.00 6.198 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 83.91 6.73 0.01 129.05 96 **-6 1.00 6.383 764.97 2.99 0.00 136.21 102 **-12 1.00 6.867 3952.42 3.18 0.00 136.21 102 **-12 1.00 6.868 3952.74 3.18 0.00 136.21 102 **-12 1.00 6.868 3952.42 3.18 0.00 140.27 134 **-14 1.00 6.868 3952.32 3.69 0.00 136.21 104 **-14 1.00 6.868 3952.32 3.69 0.00 137.56 134 **-14 1.00 6.868 3952.32 3.69 0.00 140.27	<del>                                     </del>	_				757.51	N 7.27	0.02	84.39	سالام ا		
65 % % -11 1.00 5.825 901.63 6.66 0.01 88.45 66 % -12 1.00 5.973 777.57 7.08 0.02 -89.81 67 % -13 1.00 6.264 807.58 7.04 0.02 91.19 68 % -14 1.00 6.368 765.86 7.23 0.01 92.54 69 % -15 1.00 6.135 801.60 7.07 0.01 93.89 70 % -16 1.00 6.255 787.60 7.13 0.01 96.60 72 % -16 1.00 6.255 787.60 7.13 0.01 96.60 72 % -18 1.00 5.925 830.63 6.94 0.01 97.95 73 % -1 1.00 6.061 732.58 7.35 0.01 100.77 75 % -3 1.00 5.934 738.89 7.35 0.01 100.77 76 % -4 1.00 5.934 738.89 7.35 0.01 100.77 77 % -5 1.00 6.291 903.42 8.92 0.02 103.50 77 % -5 1.00 6.291 903.42 8.92 0.02 104.85 78 % -6 1.00 6.65 860.75 6.82 0.01 110.27 90 % -7 1.00 6.65 860.75 6.82 0.01 110.27 82 % -10 1.00 5.902 726.65 7.42 0.01 111.65 83 % -11 1.00 6.462 808.73 7.04 0.02 113.00 84 % -12 1.00 6.47 403.9 7.36 0.01 110.27 86 % -14 1.00 6.174 739.69 7.36 0.01 117.72 86 % -15 1.00 6.22 771.71 7.72 0.002 113.00 87 % -15 1.00 6.22 771.71 7.72 0.002 113.00 88 % -16 1.00 6.174 739.69 7.36 0.01 117.72 89 % -17 1.00 6.22 771.71 7.72 0.002 113.00 91 % -18 1.00 6.458 840.52 8.61 0.01 119.80 91 % -18 1.00 6.77 545.53 8.57 0.02 122.50 91 % -1 1.00 6.174 739.69 7.36 0.01 119.80 91 % -1 1.00 6.174 739.69 7.36 0.01 119.80 91 % -1 1.00 6.174 739.69 7.36 0.01 123.77 92 % -2 1.00 6.188 728.73 77.41 0.01 126.67 93 % -3 1.00 6.216 568.57 8.59 0.02 122.50 94 % -4 1.00 6.189 728.73 77.41 0.01 126.67 95 % -5 1.00 6.198 728.73 77.41 0.01 126.67 96 % -6 1.00 6.198 728.73 77.41 0.01 126.67 97 % -7 1.00 5.125 540.82 8.61 0.01 133.47 98 % -7 1.00 6.188 787.82 7.70 0.00 133.47 99 % -7 1.00 6.215 548.27 7.70 0.00 133.47 100 % -10 6.687 878.82 7.70 0.00 135.12 99 % -6 1.00 6.888 916.97 8.89 0.00 136.21 100 % -1 1.00 6.867 878.82 7.70 0.00 135.75 100 % -1 1.00 6.867 878.82 7.70 0.00 135.75 100 % -1 1.00 6.867 878.82 7.70 0.00 135.75 100 % -1 1.00 6.867 878.82 7.70 0.00 135.75 100 % -1 1.00 6.867 878.22 7.70 0.00 135.75 100 % -1 1.00 6.867 878.22 7.70 0.00 136.21 100 % -1 1.00 6.867 878.22 7.70 0.00 136.21 100 % -1 1.00 6.867 878.22 7.70 0.00 137.76 100 141.62	<del> </del>		**-9	1.00	5.880	755.51	7.28			74-	1	
66	أسا										1	
67 **-13 1.00 6.264 807.58 7.04 0.02 91.19 68 **-14 1.00 6.368 765.86 7.23 0.01 92.54 59 **-15 1.00 6.138 801.60 7.07 0.01 93.89 7.	1 :					701.63						-1
68 **-14 1.00 6.368 765.56 7.23 0.01 92.84 69 **-15 1.00 6.138 801.60 7.07 0.01 93.89 70 **-16 1.00 6.385 766.58 7.23 0.02 95.25 71. **-17 1.00 6.255 787.60 7.13 0.01 96.60 72 **-18 1.00 5.925 830.65 6.94 0.01 97.25 73 **-1 1.00 6.061 732.58 7.37 0.02 97.42 74 **-2 1.00 5.934 738.89 7.36 0.01 100.77 75 **-3 1.00 5.934 703.57 7.54 0.02 103.50 77 **-5 1.00 6.291 503.42 8.92 0.02 104.85 78 **-6 1.00 6.627 496.39 9.37 0.03 106.20 79 **-7 1.00 6.659 494.43 9.00 0.02 108.92 81 **-7 1.00 6.056 860.75 6.82 0.01 110.27 82 **-10 1.00 6.956 860.75 6.82 0.01 110.27 83 **-11 1.00 6.462 808.73 7.04 0.02 113.00 84 **-12 1.00 6.495 644.59 7.80 0.02 118.435 85 **-13 1.00 6.219 540.52 771.71 7.20 0.02 118.42 86 **-14 1.00 6.174 7.80 0.02 118.42 88 **-15 1.00 6.219 540.52 861 0.01 117.07 87 **-15 1.00 6.133 540.52 8.61 0.01 139.80 90 **-18 1.00 6.458 624.62 8.61 0.01 139.80 91 **-10 1.00 5.702 771.71 7.20 0.02 118.42 99 **-10 1.00 6.707 943.38 10.08 0.02 121.15 90 **-18 1.00 6.458 624.62 8.01 0.01 123.97 90 **-18 1.00 6.216 568.57 17.41 0.01 126.67 91 **-1 1.00 6.198 728.73 77.41 0.01 126.67 92 **-2 1.00 6.151 763.78 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 93 **-3 1.00 6.216 568.57 7.24 0.01 120.05 94 **-4 1.00 6.311 47.89 7.28.73 77.41 0.01 126.67 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 99 **-7 1.00 6.425 568.57 7.24 0.01 120.05 90 **-7 1.00 6.425 568.57 7.24 0.00 135.91 100 **-13 1.00 6.668 370.242 3.18 0.00 136.21 100 **-13 1.00 6.668 370.242 3.18 0.00 140	$\Box$									24/100	<b>)</b>	<b></b>
69 **-15 1.00 6.13E 801.60 7.07 0.01 95.89 7.1 **-16 1.50 6.385 766.58 7.23 0.02 95.25 7.1 **-17 1.00 6.255 787.60 7.13 0.01 96.60 72 **-18 1.00 5.925 830.65 6.94 0.01 97.25 73 **-1 1.00 6.061 732.58 7.35 0.02 99.42 74 **-2 1.00 5.934 738.89 7.36 0.01 100.77 75 **-3 1.00 5.914 738.89 7.36 0.01 100.77 76 **-4 1.00 5.710 657.54 7.80 0.02 103.50 77 **-5 1.00 6.291 503.42 8.92 0.02 104.85 78 **-6 1.00 6.667 466.39 9.37 0.03 106.20 79 **-7 1.00 5.552 466.40 9.26 0.02 107.57 80 **-10 1.00 5.902 726.65 7.42 0.01 110.27 81 **-9 1.06 6.056 860.75 6.82 0.01 110.27 82 **-10 1.00 5.902 726.65 7.42 0.01 111.65 83 **-11 1.00 6.462 888.73 7.04 0.02 113.00 84 **-12 1.00 6.495 644.89 7.88 0.02 114.35 85 **-13 1.00 6.222 771.71 7.20 0.02 115.72 86 **-14 1.00 6.174 739.69 7.36 0.01 117.07 87 **-15 1.00 6.219 644.61 7.88 0.02 118.42 89 **-16 1.00 6.707 394.38 10.08 0.02 121.15 90 **-17 1.00 6.707 394.38 10.08 0.02 121.50 91 **-1 1.00 6.458 624.62 8.01 0.01 123.97 92 **-2 1.00 6.216 568.57 83.51 0.00 122.50 93 **-3 1.00 6.198 763.78 7.24 0.01 128.05 93 **-5 1.00 6.265 883.91 6.73 0.01 129.40 99 **-7 1.00 6.383 763.78 7.24 0.01 128.05 99 **-7 1.00 6.119 763.78 7.24 0.01 128.05 99 **-7 1.00 6.252 77.37 7.41 0.01 128.05 90 **-6 1.00 6.385 77.82 7.74 0.01 128.05 91 **-7 1.00 6.219 978.73 7.74 0.01 128.05 91 **-7 1.00 6.219 978.73 7.74 0.01 128.05 92 **-10 1.00 6.252 77.37 7.41 0.01 128.05 93 **-5 1.00 6.268 883.91 6.73 0.01 129.40 99 **-7 1.00 6.381 978.82 7.70 0.00 133.12 99 **-7 1.00 6.524 77.01 7.73 7.28 0.00 135.21 100 **-10 1.00 6.8667 379.27 7.89 0.00 136.21 101 **-11 1.00 6.8667 379.242 3.18 0.00 136.21 102 **-12 1.00 6.8687 379.242 3.18 0.00 136.21 103 **-13 1.00 6.668 379.23 3.69 0.00 138.91 104 **-14 1.00 6.609 379.83 3.69 0.00 141.62	+							0.01		4		
7. **-17 1.00 6.255 787.60 7.18 0.01 96.60 72 **-18 1.00 6.061 737.58 830.65 7.39 0.02 99.42 7.38 **-1 1.00 6.061 737.58 7.39 0.02 102.12 76 **-4 1.00 5.934 738.89 7.36 0.01 100.77 7.5 **-3 1.00 5.710 657.54 7.80 0.02 103.80 77 **-5 1.00 6.291 503.42 8.92 0.02 103.80 77 **-5 1.00 6.291 503.42 8.92 0.02 104.85 7.92 **-6 1.00 6.667 494.43 9.00 0.02 107.57 7.94 7.92 8.93 8.91 1.00 6.639 494.43 9.00 0.02 108.92 81 **-9 1.00 6.652 494.43 9.00 0.02 108.92 81 **-9 1.00 6.654 860.75 6.82 0.01 110.27 88 8*-11 1.00 6.462 808.73 7.04 0.02 113.00 84 **-12 1.00 6.449 808.73 7.04 0.02 113.00 84 **-13 1.00 6.458 808.73 7.04 0.02 115.72 7.20 0.02 115.72 86 **-14 1.00 6.174 739.69 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 0.01 117.07 7.38 9.38 8.51 1.00 6.219 840.52 8.61 0.01 123.97 9.38 8.51 0.00 6.737 543.53 8.57 0.02 122.50 8.61 0.01 123.97 9.38 8.51 0.00 6.757 7.38 8.39 0.02 121.15 9.39 8*-1 1.00 6.458 824.62 8.01 0.01 123.97 9.38 8.51 0.00 120.40 8.98 8.98 8.99 0.02 121.15 9.99 8*-1 1.00 6.458 824.62 8.01 0.01 123.97 9.38 8.57 0.02 125.52 9.38 8.57 0.02 125.52 9.38 8.57 0.00 135.12 9.38 8.57 0.00 135.12 9.38 8.57 0.00 135.21 9.38 8.57 0.	<del>  -</del> -					801.60	7.07					
72 **-18 1.00 5.725 830.85 6.94 0.01 97.95 73 **-1 1.00 6.061 732.58 7.39 0.02 99.42 74 **-2 1.00 5.934 703.57 7.36 0.01 100.77 75 **-3 1.00 5.710 657.54 7.80 0.02 103.50 77 **-5 1.00 6.291 303.42 8.92 0.02 104.85 72 **-6 1.00 6.667 406.39 9.37 0.03 106.20 72 **-7 1.00 6.652 466.40 9.26 0.02 107.57 80 **-6 1.00 6.653 494.43 9.00 0.02 108.92 81 **-9 1.00 6.653 494.43 9.00 0.02 108.92 81 **-9 1.00 6.656 860.75 6.82 0.01 110.27 82 **-10 1.00 5.902 726.65 7.42 0.01 111.65 83 **-11 1.00 6.462 808.73 7.04 0.02 113.00 84 **-12 1.00 6.495 644.59 7.88 0.02 113.00 84 **-14 1.00 6.473 644.61 808.73 7.04 0.01 117.07 86 **-15 1.00 6.252 771.71 7.20 0.02 118.72 86 **-15 1.00 6.252 771.71 7.20 0.02 118.72 80 **-16 1.00 6.132 540.52 8.61 0.01 119.80 89 **-16 1.00 6.737 545.53 8.57 0.02 122.50 91 **-1 1.00 6.458 624.62 8.61 0.01 123.97 92 **-2 1.00 6.458 624.62 8.61 0.01 123.97 93 **-3 1.00 6.198 763.78 8.57 0.02 122.50 93 **-3 1.00 6.198 763.78 7.24 0.01 128.05 93 **-3 1.00 6.198 763.78 7.24 0.01 128.05 93 **-3 1.00 6.198 763.78 7.24 0.01 128.05 93 **-3 1.00 6.198 763.78 7.24 0.01 128.05 93 **-3 1.00 6.532 763.78 8.39 0.02 135.47 99 **-7 1.00 6.848 916.97 M 6.61 0.01 120.75 93 **-3 1.00 6.858 916.97 M 6.61 0.01 130.75 90 **-15 1.00 6.852 916.97 M 6.61 0.01 130.75 90 **-15 1.00 6.852 916.97 M 6.61 0.01 130.75 90 **-15 1.00 6.868 916.97 M 6.61 0.01 130.75 90 **-15 1.00 6.868 916.97 M 6.61 0.01 130.75 90 **-12 1.00 6.868 916.97 M 6.61 0.01 130.75 90 **-12 1.00 6.868 916.97 M 6.61 0.01 130.75 90 **-12 1.00 6.868 916.97 M 6.61 0.01 130.75 90 **-12 1.00 6.868 916.97 M 6.61 0.00 130.75 90 **-12 1.00 6.868 916.97 M 6.61 0.00 130.75 916.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 130.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 130.90 00 130.90 00 134.82 916.97 M 6.61 0.00 130.75 916.90 00 130.90 00 134.82 916.97 M 6.61 0.00 130.90 00 134.82 916.97 M 6.61 0.00 130.90 00 134.82 916.97 M 6.61 0.00 130.	<u> </u>											
73 **-1 1.00 6.061 732.58 7.39 0.02												
74 **-2 1.00 5.734 738.59 7.36 0.01 100.77 75 **-3 1.00 5.794 703.57 7.54 0.02 102.12 76 **-4 1.00 5.710 657.54 7.80 0.02 103.50 77 **-5 1.00 6.291 903.42 8.92 0.02 104.85 75 **-6 1.00 6.667 496.39 9.37 0.03 106.20 79 **-7 1.00 5.552 466.40 9.26 0.02 107.57 90 **-8 1.00 6.657 494.43 9.00 0.02 108.92 81 **-9 1.00 6.056 860.75 6.82 0.01 110.27 82 **-10 1.00 5.902 726.65 7.42 0.01 111.65 83 **-11 1.00 6.462 808.73 7.04 0.02 113.00 83 **-11 1.00 6.462 808.73 7.04 0.02 113.00 84 **-12 1.00 6.495 644.59 7.88 0.02 114.35 85 **-13 1.00 6.495 644.59 7.88 0.02 115.72 7.36 0.01 117.07 7.37 **-15 1.00 6.174 739.69 7.36 0.01 117.07 7.37 **-15 1.00 6.174 739.69 7.36 0.01 117.07 7.37 **-15 1.00 6.737 545.53 8.57 0.02 122.50 91 **-1 1.00 6.173 545.53 10.08 0.02 121.15 90 **-18 1.00 6.173 545.53 10.08 0.02 121.15 90 **-18 1.00 6.173 545.53 10.08 0.02 121.15 90 **-18 1.00 6.198 728.73 7.41 0.01 125.32 93 **-3 1.00 6.198 728.73 7.41 0.01 126.67 94 **-4 1.00 6.151 763.78 883.91 7.24 0.01 129.40 94 **-4 1.00 6.151 763.78 883.91 7.13 0.01 130.75 93 **-3 1.00 6.858 787.82 7.13 0.01 130.75 93 **-3 1.00 6.868 91.6.77 6.61 0.00 133.47 0.00 13	_						<del>_</del>					_
76 **-4 1.00 5.710	+-					•		0.01	100.77			
77 **-5	┼—			1.00	5.994		1					,
75 **-6											•	
79 **-7							, ,			<b>.</b> .		+
30 *Y-8												<del></del>
81 **-9 1.00 6.056 860.75 6.82 0.01 110.27  82 **-10 1.00 5.902 726.65 7.42 0.01 111.65  83 **-11 1.00 6.462 808.73 7.04 0.02 113.00  84 **-12 1.00 6.495 644.59 7.88 0.02 114.35  85 **-13 1.00 6.222 771.71 7.20 0.02 115.72  86 **-14 1.00 6.174 739.69 7.36 0.01 117.07  87 **-15 1.00 6.219 644.61 7.88 0.02 118.42  89 **-16 1.00 6.132 540.32 8.61 0.01 119.80  89 **-17 1.00 6.709 394.38 10.08 0.02 121.15  90 **-18 1.00 6.737 543.53 8.57 0.02 122.50  91 **-1 1.00 6.737 543.53 8.57 0.02 122.50  91 **-1 1.00 6.458 624.62 8.61 0.01 123.97  72 **-2 1.00 6.216 566.57 8.39 0.02 125.32  93 **-3 1.00 6.198 728.73 7.41 0.01 126.67  94 **-4 1.00 6.151 763.78 7.24 0.01 128.05  95 **-5 1.00 6.245 883.91 6.73 0.01 129.40  95 **-5 1.00 6.245 883.91 6.73 0.01 129.40  96 **-6 1.00 6.383 787.82 7.13 0.01 130.75  97 **-7 1.00 6.123 5482.76 2.70 0.00 132.12  99 **-9 1.00 6.42 5908.37 2.83 0.00 134.82  100 32-10 1.00 6.311 4978.39 2.84 0.00 136.21  101 32-10 1.00 6.531 4978.39 2.84 0.00 136.21  102 **-12 1.00 6.668 4465.94 2.99 0.00 138.91  103 **-13 1.00 6.668 3952.42 3.18 0.00 140.27  104 **-14 1.00 6.867 3952.42 3.18 0.00 140.27  104 **-14 1.00 6.867 3952.42 3.18 0.00 140.27  104 **-14 1.00 6.867 3952.42 3.18 0.00 140.27	+										1	<u> </u>
83 **-11 1.00 6.462 B08.73 7.04 0.02 113.00  84 **-12 1.00 6.495 644.59 7.88 0.02 114.35  85 **-13 1.00 6.222 771.71 7.20 0.02 115.72  86 **-14 1.00 6.174 737.69 7.36 0.01 117.07  87 **-15 1.00 6.219 644.61 7.88 0.02 118.42  88 **-16 1.00 6.132 540.52 8.61 0.01 117.80  89 **-17 1.00 6.709 394.38 10.08 0.02 121.15  90 **-18 1.00 6.737 545.53 8.57 0.02 122.50  91 **-1 1.00 6.458 624.62 8.01 0.01 123.97  92 **-2 1.00 6.216 568.37 8.39 0.02 125.32  93 **-3 1.00 6.198 728.73 7.41 0.01 126.67  94 **-4 1.00 6.131 763.78 7.24 0.01 128.05  95 **-5 1.00 6.245 883.91 6.73 0.01 129.40  96 **-6 1.00 6.383 787.82 7.13 0.01 129.40  96 **-6 1.00 6.383 787.82 7.13 0.01 130.75  97 **-7 1.00 6.125 916.97 6.61 0.01 133.47  99 **-9 1.00 6.845 916.97 6.61 0.01 133.47  100 \$2-10 1.00 6.311 4978.39 2.84 0.00 136.21  101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56  102 **-12 1.00 6.667 3972.42 3.18 0.00 140.27  104 **-14 1.00 6.867 3972.42 3.18 0.00 140.27  104 **-14 1.00 6.867 3972.42 3.18 0.00 140.27	+	<u> ទ</u> ះ	**-9				_			•		1
84 **-12 1.00 6.495 644.59 7.88 0.02 114.35 85 **-13 1.00 6.222 771.71 7.20 0.02 115.72 86 **-14 1.00 6.174 737.67 7.36 0.01 117.07 87 **-15 1.00 6.219 644.61 7.88 0.02 118.42 88 **-14 1.00 6.132 548.52 8.61 0.01 117.80 89 **-17 1.00 6.707 394.38 10.08 0.02 121.15 90 **-18 1.00 6.737 545.53 8.67 0.02 122.50 91 **-1 1.00 6.458 624.62 8.61 0.01 123.97 92 **-2 1.00 6.216 568.37 8.57 0.02 122.50 91 **-3 1.00 6.198 728.73 7.41 0.01 126.67 94 **-4 1.00 6.191 763.78 7.24 0.01 128.05 95 **-3 1.00 6.191 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 767.82 7.13 0.01 129.40 99 **-9 1.00 6.425 916.97 M 6.61 , 0.01 133.47 99 **-9 1.00 6.848 916.97 M 6.61 , 0.01 133.47 99 **-9 1.00 6.832 72.83 0.00 134.82 100 **-12 1.00 6.868 4465.94 2.89 0.00 137.56 102 **-12 1.00 6.868 4465.94 2.89 0.00 138.91 103 **-13 1.00 6.867 3762.42 3.18 0.00 140.27 104 **-141 1.00 6.867 3762.42 3.18 0.00 140.27 104 **-141 1.00 6.807 2948.32 3.69 0.00 141.62	+										•	
85 **-13	1.											
86 **-14 1.00 6.174 739.69 7.36 0.01 117.07 87 **-15 1.00 6.219 644.61 7.88 0.02 118.42 88 **-16 1.00 6.132 540.52 8.61 0.01 117.80 99 **-17 1.00 6.709 394.38 8.57 0.02 122.50 91 **-18 1.00 6.737 543.53 8.57 0.02 122.50 91 **-1 1.00 6.458 624.62 8.01 0.01 123.97 92 **-2 1.00 6.216 568.57 8.39 0.02 125.32 93 **-3 1.00 6.198 728.73 7.41 0.01 126.67 94 **-4 1.00 6.151 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.8 7.13 0.01 130.75 97 **-7 1.00 6.125 5482.76 2.70 0.00 132.12 98 **-8 1.00 6.848 916.97 6.61 0.01 133.47 99 **-9 1.00 6.853 4710.15 2.92 0.00 134.82 100 **-10 1.00 6.311 4978.39 2.84 0.00 136.21 101 **-11 1.00 6.532 4710.15 2.92 0.00 138.91 102 **-12 1.00 6.668 4465.94 2.99 0.00 141.62  Mitnet 103 **-13 1.00 6.867 3962.42 3.18 0.00 140.27 134 **-19 1.00 6.909 2948.32 3.69 0.00 141.62	T -										• •	
90 **-18 1.00 6.737 543.53 8.57 0.02 122.50 91 **-1 1.00 6.458 624.62 8.01 0.01 123.97 92 **-2 1.00 6.216 568.57 8.39 0.02 125.32 93 **-3 1.00 6.198 728.73 77.41 0.01 126.67 94 **-4 1.00 6.191 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 6.125 5482.76 2.70 0.00 132.12 93 **-8 1.00 6.848 916.97 6.61 0.01 133.47 99 **-9 1.00 6.422 5008.37 2.83 0.00 134.82 100 **-10 1.00 6.311 4978.39 2.84 0.00 136.21 101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.99 0.00 138.91 103 **-13 1.00 6.668 4465.94 2.99 0.00 140.27 104 **-14 1.00 6.903 2948.32 3.69 0.00 141.62	+-						7.36				ı	
90 **-18 1.00 6.737 543.53 8.57 0.02 122.50 91 **-1 1.00 6.458 624.62 8.01 0.01 123.97 92 **-2 1.00 6.216 568.57 8.39 0.02 125.32 93 **-3 1.00 6.198 728.73 77.41 0.01 126.67 94 **-4 1.00 6.191 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 6.125 5482.76 2.70 0.00 132.12 93 **-8 1.00 6.848 916.97 6.61 0.01 133.47 99 **-9 1.00 6.422 5008.37 2.83 0.00 134.82 100 **-10 1.00 6.311 4978.39 2.84 0.00 136.21 101 **-13 1.00 6.668 4465.94 2.99 0.00 138.91 102 **-12 1.00 6.668 4465.94 2.99 0.00 140.27 104 **-14 1.00 6.867 3962.42 3.18 0.00 140.27 104 **-14 1.00 6.909 /2948.32 3.69 0.00 141.62	+-			1.0	ŭ 6.219					1 66	. o.	
90 **-18 1.00 6.737 545.53 8.57 0.02 122.50 91 **-1 1.00 6.458 624.62 8.01 0.01 123.97 92 **-2 1.00 6.216 568.57 8.39 0.02 125.32 93 **-3 1.00 6.198 728.73 77.41 0.01 126.67 94 **-4 1.00 6.151 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 5.123 5482.767 2.70 0.00 132.12 93 **-8 1.00 6.848 916.97 \$\text{\$\text{\$6}\$} \text{\$\text{\$6}\$} \text{\$\text{\$008}} \text{\$\text{\$37}\$} \text{\$\text{\$2.76}\$} \$\te	<del></del> -						1			40	•	
9: 38-1	<u> </u>											
92 **-2 1.00 6.216 568.57   8.39 0.02 125.32 93 **-3 1.00 6.198 728.73   7.41 0.01 126.67 94 **-4 1.00 6.191 763.78 7.24 0.01 128.05 95 **-8 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 6.123 5482.767 2.70 0.00 132.12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T											
93 **-3 1.00 6.198 728.73 77.41 0.01 126.67 94 **-4 1.00 6.191 763.78 7.24 0.01 128.05 95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 6.123 5482.767 2.70 0.00 132.12 93 **-8 1.00 6.848 916.97 % 6.61 0.01 133.47 99 **-9 1.00 6.422 5008.37 2.83 0.00 134.82 100 \$2-10 1.00 6.311 4978.39 2.84 0.00 136.21 101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.99 0.00 138.91 103 **-13 1.00 6.867 3962.42 3.18 0.00 140.27 104 **-141 1.00 6.909 2948.32 3.69 0.00 141.62	+					568.57	8.39		125.32			
95 **-5 1.00 6.245 883.91 6.73 0.01 129.40 96 **-6 1.00 6.383 787.82 7.13 0.01 130.75 97 **-7 1.00 6.123 5482.767 2.70 0.00 132.12 0pinm 0b 93 **-8 1.00 6.848 916.97 m 6.61 0.01 133.47 99 **-9 1.00 6.422 5008.37 2.83 0.00 134.82 100 **-10 1.00 6.311 4978.39 2.84 0.00 136.21 101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.99 0.00 138.91 103 **-13 1.00 6.667 3962.42 3.18 0.00 140.27 104 **-141 1.00 6.909 /2948.32 3.69 0.00 141.62	<del></del> -	<b>9</b> 3	**-3	1.0	0 6.198							
101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.89 0.00 138.91 Wither 103 **-13 1.00 6.867 3932.42 3.18 0.00 140.27 104 **-144 1.00 6.909 2948.32 3.69 0.00 141.62	-										•	
101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.89 0.00 138.91  Nither 103 **-13 1.00 6.867 3932.42 3.18 0.00 140.27 104 **-140 1.00 6.909 2948.32 3.69 0.00 141.62	_											~ ~!
101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.89 0.00 138.91 Wither 103 **-13 1.00 6.867 3932.42 3.18 0.00 140.27 104 **-144 1.00 6.909 2948.32 3.69 0.00 141.62	•	-	**・**							2	Obpure	OP
101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.89 0.00 138.91 Wither 103 **-13 1.00 6.867 3932.42 3.18 0.00 140.27 104 **-144 1.00 6.909 2948.32 3.69 0.00 141.62		9.3	シャネー色	1.0	00 6.848	916.9	7 M 6,61			, 	1 . 45	
101 **-11 1.00 6.532 4710.15 2.92 0.00 137.56 102 **-12 1.00 6.668 4465.94 2.89 0.00 138.91 Wither 103 **-13 1.00 6.867 3932.42 3.18 0.00 140.27 104 **-144 1.00 6.909 2948.32 3.69 0.00 141.62	-			غ. <b>.</b> ر	00 6,422	5008.3				- upc	12-4	
Nitne: 102 **-12 1.00 6.668 4465.74 2.89 0.00 138.91  **-13 1.00 6.867 3982.42 3.18 0.00 140.27  1.04 **-140 1.00 6.909 2948.32 3.69 0.00 141.62												
Witner 105 **-13 1.00 6.867 3962.42 3.18 0.00 140.27 1.04 **-140 1.00 6.903 2948.32 3.69 0.00 141.62				-								
134 **-144 1.00 6.909 /2948.32 3.69 0.00 141.62 }	Nitne	102	**-13	1.0		3962.4	2 3.18	0.00	140.27	· — ;		
becorded by Null Pal		104	**-19					. 4 .		€્ર્	- i	
Low a formal and a first of the			$\cdot \wedge \mathcal{F}$				ecorded	PA	I したし		<u>-</u> )	
				1				P	( ) , (O)		•	

	P	roject No		1	1_1 -	1)	
	•	Book No	TITLE 40	tip Jolu	De ma	mes	
	_/ D:12						
m Page	SER: 3	. J . I	DOMESTIC	2		<b>!</b>	
The Page	PRESET TIM	15 - 1 00	COMMENT:	Į.		•	+
!	DATA CALC		1110				1
1	COUNT BLAN	: CPM		SAMPLE RE	PEATS: 1	PRINTER	+-+-
<del>                                     </del>	TWO PHASE	• •	IC# :YES	REPLICATES		RS232	1 !
į į		NO NO	ADC : NO	CYCLE REP			i i
<del>├</del>	BCINTILLAT			LOW SAMPLE			+
<u> </u>	LOW LEVEL	: NO	HALF LIFE C	ORRECTION	DATE:	эопе	1 1
	Ti_		•				1
<del></del>	ISOTOPE 1:	125I ·· %EI	RROR: 2,00 F	ACTOR: 1	L.00 <b>00</b> 00	9KG. SUB:	++
	SAM POB	TIME IC#	1251	LUMEX	ELAPSED		+
	NO	MIN	CPM %ERR	OR %	TIME		
!!	1		OIII MENI	, ,	1 1175	01.0-	1
	÷	1.00 4.765	2278.01 ( 4.	10 0 04	4 15.00	Obre	+
	2 **-2	1.00 5.337		19 0.01	1,25	1-4-	1
1	3 **-3	1.00 4.913 -4	762.01 - 7.	25 0.02	2-62	reply -4	+++
<del>    -  </del>	4 **-4	1.00 4.319 -W	_	39 0.01	3.97	•	4.
	1	1.00 4.881 -4		69 0.01	5.34		1
	5 **-5	1.00 4.830 -1	11701.0B 4.	85 p.o1	6.67		-+
	6 **-6	1.00 4.737	2115.13 4.	35 0.01	8.02		
	7 **-7	1.00 4.802	,4761.13 4.	77 0.01	9.39		
	8 **~8	1.00 5.166 _	1416.12 5.	31 0.01	10.74		
! ! .	9 **-9	1.00 5.067	11375.13 5.	39 0.01	12.09		
	10 **-10	1.00 5.319 .2	<b>7 823.09</b> 6.	97. 0.92	13.45		<del></del>
	11 **-11	1.00 5.427 -7	•	31 0,03	14.61		
· ! i	22 **-12	1.00 5.166	661 09 7	78 C.03	16.15	•	
	13 **-13			<del>98 0.00</del>	17.52		<del>_</del>
	14 **-14	1.00 5,642	688.10 M 7.			Obke	
	15 **-15	1.00 4.991			18.87	Oble Lept-4	
	16 **-16	1.00 4.869	1902.30 4.		20.22	Lepr-4_	
	17 **-17	_	1859.31 4.		21.60	•	
	18 **-18		1882 34 4.		22.56	-	<del></del>
	19 **-1	1.00 4.901	1900.36 4.		. 24.30		
		1.00 4.927		43 0.01	25.77	-	
	20 **-2	1.00 5.037	1492.32 5	18 0.01	27.12	-	<del></del>
	21 **-3	1.00 5.180	1179.26 5.0	B2 0.01	28.47		
	22 **-4	1.00 5.407	930.22 6.	56 0.02	29.85	•	<del></del>
	23 **-5	1.00 5.645	777.19 7.		31.20	_	خلل
	24 **-6	1.00 5.477	B33.21 6.9		32.55		
	25 <b>**</b> -7	1.00 4.896	2788.747 3.		33.92		
	26 **-8	1.00 5.175	2653.74 3.8		35.27		1 (
. ] }	27 **-9	1.00 4.842	2310.67 4.				
<del>  </del>	28 **-10	1.00 4.901			36.62		+
	29 **-11				38.01		
	30 **-12				39.35	<b>-</b> -	++-
╼╍╪╌╌┪	31 **-13		1964.63 4.5		40.71	122230	
	32 **-14		2824.94 3,		42.07	1.22	
<del></del>	33 **-15		2105.72 4.3		43.42	. 1.	+
			1995.71 4.4		44.77	•	1 1
	34 .**-16		1807.66 4.7	70: 0.01	46.16		1
<del></del>	35 **-17	1.00 5,238	1874.70 4.6	10.01	47.51		44
	36 **-18	1.00 4.993	<b>2026.</b> 78 4.4		48.85		1 1
-	37 **-1	1.00 5.635	787.31 7.1			*	+-+-
	36 **-2	1.00 5.818	789.32 7.1		51.57		
•	<b>ふ</b> 字 ** *-3	1.00 5.614	682.29 \ 7.6		53,02		
	44 x x x = 4	1.00 5.581	B06.35 7.0		54.4¢		<del></del>
<u> </u>	4: 44-5	1.00 5.520	660.29 7.7		35.75		ļ
1	42 **-6	1.00 5.739	718.32 7.4				+
<del></del>	43 **-7	1.00 5.784			57.10 50.67		<u> </u>
_} :	44 **-8	1.00 5.552			58.47		No.
	45 **-9		725.34 7.4		59.82	HS.	
pessed	46 **-10		725.35 7.4		61.17	Cir	
- 1	,	1.00 5.828	587.29 8.2	5 0.02	62.55	112	
		/\				•	
		1 1	vcorded by	1. H / > 1		ı	